Hostaform® UV140LG XAP

Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

General Information

Product Description

Hostaform® acetal copolymer grade UV140LG XAP is a specialty grade of acetal copolymer formulated to provide good flow with a low gloss finish and a UV stability necessary for interior automotive applications. In addition, Hostaform® UV140LG XAP exhibits low emissions for automotive interiors. Low emission Performance [VDA 275] <10 PPM

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Flow • Low Emissions	• Low Gloss • UV Resistant	
Uses	• Automotive Applications	• Automotive Interior Parts	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	13	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.8	%	
Flow	2.0	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	305000	psi	ISO 527-2/1A
Tensile Stress (Yield)	6960	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	10	%	ISO 527-2/1A/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	1.9	ft·lb/in²	
73°F	1.7	ft·lb/in²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (264 psi, Unannealed)	185	°F	ISO 75-2/A
Melting Temperature [2]	334	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	338 to 347	°F
Middle Temperature	338 to 356	°F
Front Temperature	347 to 365	°F
Nozzle Temperature	365 to 383	°F
Processing (Melt) Temp	356 to 383	°F
Mold Temperature	176 to 221	°F
Injection Rate	Slow	
Back Pressure	< 580	psi

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Injection Notes
Zone4 temperature: 180 to 190°C
Hot runner temperature: 180 to 200°C

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 10°C/min